Title (en)

METHOD AND DEVICE FOR EVALUATING PHASE STABILITY OF ELECTRODE MIXTURE SLURRY

Title (de)

VERFAHREN UND VORRICHTUNG ZUR BEURTEILUNG DER PHASENSTABILITÄT DER AUFSCHLÄMMUNG EINER ELEKTRODENMISCHUNG

Title (fr)

PROCÉDÉ ET DISPOSITIF D'ÉVALUATION DE LA STABILITÉ DE PHASE D'UNE SUSPENSION DE MÉLANGE POUR ÉLECTRODE

Publication

EP 3674684 A4 20200930 (EN)

Application

EP 19757523 A 20190222

Priority

- KR 20180021854 A 20180223
- KR 2019002212 W 20190222

Abstract (en)

[origin: EP3674684A1] Provided is a method for evaluating phase stability of electrode mixture slurry, including the steps of: (S1) introducing electrode mixture slurry to a rheometer; (S2) applying a first shear rate to the electrode mixture slurry; (S3) applying a second shear rate after applying the first shear rate, wherein the second shear rate is higher than the first shear rate; (S4) applying a third shear rate after applying the second shear rate, wherein the third shear rate is equal to the first shear rate; and (S5) comparing the shear viscosity at the first shear rate with the shear viscosity at the third shear rate. An apparatus for evaluating phase stability of electrode mixture slurry is also provided.

IPC 8 full level

G01N 11/04 (2006.01); **H01M 4/02** (2006.01); **H01M 10/0525** (2010.01)

CPC (source: EP KR US)

G01N 11/04 (2013.01 - EP KR US); **G01N 11/162** (2013.01 - US); **H01M 4/02** (2013.01 - KR); **H01M 4/0404** (2013.01 - EP); **H01M 4/139** (2013.01 - EP US); Y02E 60/10 (2013.01 - EP)

Citation (search report)

- [A] KR 20170113791 A 20171013 - LG CHEMICAL LTD [KR]
- [A] US 2006266736 A1 20061130 - TREGUB ALEXANDER [US], et al
- See also references of WO 2019164336A1

Cited by

CN112525771A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3674684 A1 20200701; **EP 3674684 A4 20200930**; CN 110869737 A 20200306; CN 110869737 B 20220419; KR 102284858 B1 20210730; KR 20190101634 A 20190902; US 11456450 B2 20220927; US 2020212430 A1 20200702; WO 2019164336 A1 20190829

DOCDB simple family (application)

EP 19757523 A 20190222; CN 201980003516 A 20190222; KR 20180021854 A 20180223; KR 2019002212 W 20190222; US 201916629226 A 20190222